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SECURITY INFORMATION

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GERMAN Democratic Republic

FDD Abstract of

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DATA ON NEW RAIL TYPE (2 pp; German; )

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The document consists of two undated typewritten pages entitled "Rolling and experimental installation of type 49 S rails." The document concerns itself with the problem of the high wear and tear of rails used by the Berlin intra-urban railroad. Stating that this is not a new problem the document notes that the war prevented a solution of it but that research following 1945 seems to have met with success in the production of type 49 S rails. Experimental use of these rails has had success far above expectations. The mild winter did not, however, permit testing of the rail in low temperature, particularly in respect to breaking. The Soviet Union has refused to test the rails in Eastern USSR, where low temperatures prevail. The degree of safety in operation attained by these rails is responsible for decision of the Railroad Directorate Berlin to increase train speeds in the very near future, after sections with reduced speed will have been improved by the installation of these rails.

In respect to rolling of the rails, which is done in Riesa and Thale, the report notes that the rolling pressure had to be reduced and a particular calibration of the rolling trains had to be undertaken. While normally 8 rolling passes suffice these rails require 11 such passes. Riesa and Thale are at present delivering approximately 9,000 tons of rails per month to the German Reichsbahn. The Reichsbahn has set very high standards for acceptance of these rails in respect to weight, calibration and length. Rail profile gauges have been set up by the Plant for Locomotives and Electrical Products in Hennigsdorf (LEW). Rails which do not measure up to these profile gauges will not be accepted. Rails are not spot-checked, but rather the entire length of the rail is tested with the profile gauge. In the last two month the ratio of rejected rails amounted to 21 respectively 23 percent.

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☒ Foreign language document or a microfilm  of it is obtainable from the CIA Library,

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